

Year 7 (Science) Home Learning Tasks



Week 10 Week beginning 15/06/20

| Year Group/ Class | Google Classroom Code | Tasks (brief outline of what students should be doing this week) | Timing task? | Where to complete? Ex.book, paper GC, SMH | Link to where resources will be |
|-------------------|---|---|--------------|---|---|
| Y7 | | Topic Acids: 1. Complete CGP workbook pages 113 - 125 | 30 mins. | CGP books | |
| | Go to SMHW for your Google Classroom code | 2. Complete extended writing task: You are a reporter for the Echo newspaper. You have been asked to prepare an illustrated <u>newspaper article</u> by your editor reporting on a serious motorway accident and the acid spill. You need to include answers to the following questions in your report: <ul style="list-style-type: none"> - Why was the acid spill so dangerous? - What hazard symbol might be on the lorry? - How could the Fire Service use indicators to show the strength of the acid? - How could the Fire Service neutralise the acid? | 30 mins | Paper (keep everything together as a science folder) or google classroom. | https://www.bbc.co.uk/bitesize/topics/zn6hvcw |
| | | 3. Create a poster for the Acid reaction topic | 30 mins | Google classroom | |

Week 11 Week beginning 22/06/2020

| Year Group/ Class | Google Classroom Code | Tasks (brief outline of what students should be doing this week) | Timing task? | Where to complete? Ex.book, paper GC, SMH | Link to where resources will be |
|-------------------|---|---|--------------|---|---|
| Y7 | | Topic Plants: 1. Complete CGP workbook pages 40 - 52 | 30 mins. | CGP books | |
| | Go to SMHW for your Google Classroom code | 2. Complete extended writing task: Explain how each feature of a leaf helps the plant carry out photosynthesis efficiently. | 30 mins | Paper (keep everything together as a science folder) or google classroom. | https://www.bbc.co.uk/bitesize/guides/zpwmxnb/revision/1 |
| | | 3. Create a poster for the Plants topic | 30 mins | Google classroom | |

Week 12 Week beginning 29/06/20

| Year Group/ Class | Google Classroom Code | Tasks (brief outline of what students should be doing this week) | Timing task? | Where to complete? Ex.book, paper GC, SMH | Link to where resources will be |
|-------------------|---|---|--------------|---|---|
| Y7 | | Topic Rock cycle: 1. Complete CGP workbook pages 130 - 144 | 30 mins. | CGP books | |
| | Go to SMHW for your Google Classroom code | 2. Complete extended writing task: Describe the different processes involved in the Carbon Cycle. | 30 mins | Paper (keep everything together as a science folder) or google classroom. | https://www.bbc.co.uk/bitesize/guides/zwd2mp3/revision/5 |
| | | 3. Create a poster for the Rock cycle topic | 30 mins | Google classroom | |

Year 8 (Science) Home Learning Tasks



Week 10 Week beginning 15/06/20

| Year Group/ Class | Google Classroom Code | Tasks (brief outline of what students should be doing this week) | Timing task? | Where to complete? Ex.book, paper GC, SMH | Link to where resources will be |
|-------------------|---|---|--------------|---|---|
| Y8 | | Topic Photosynthesis: 1. Complete CGP workbook pages 40 - 52 | 30 mins. | CGP books | |
| | Go to SMHW for your Google Classroom code | 2. Complete extended writing task: Explain how each feature of a leaf helps the plant carry out photosynthesis efficiently. | 30 mins | Paper (keep everything together as a science folder) or google classroom. | https://www.bbc.co.uk/bitesize/guides/zpwmxnb/revision/1 |
| | | 3. Create a poster for the Photosynthesis topic | 30 mins | Google classroom | |

Week 11 Week beginning 22/06/2020

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|-------------------|---|--|--------------|---|---|
| Y8 | | Topic Variation: 1. Complete CGP workbook pages 59 - 68 | 30 mins. | CGP books | |
| | Go to SMHW for your Google Classroom code | 2. Complete extended writing task: Describe the process of natural selection and how does this lead to extinction. | 30 mins | Paper (keep everything together as a science folder) or google classroom. | https://www.bbc.co.uk/bitesize/topics/zpffr82 |
| | | 3. Create a poster for the Variation topic | 30 mins | Google classroom | |

Week 12 Week beginning 29/06/20

| Year Group/ Class | Google Classroom Code | Tasks (brief outline of what students should be doing this week) | Timing task? | Where to complete? Ex.book, paper GC, SMH | Link to where resources will be |
|-------------------|---|---|--------------|---|---|
| Y8 | | Topic Space: 1. Complete CGP workbook pages 215 - 220 | 30 mins. | CGP books | |
| | Go to SMHW for your Google Classroom code | 2. Complete extended writing task: Explain why all the planets in our Solar system orbit the Sun. | 30 mins | Paper (keep everything together as a science folder) or google classroom. | https://www.bbc.co.uk/bitesize/topics/z8c9q6f |
| | | 3. Create a poster for the Space topic | 30 mins | Google classroom | |

Year 9 (Science) Home Learning Tasks



Week 10 Week beginning 15/06/20

| Year Group/ Class | Google Classroom Code | Tasks (brief outline of what students should be doing this week) | Timing task? | Where to complete? Ex.book, paper GC, SMH | Link to where resources will be |
|-------------------|---|---|--------------|--|---|
| Y9 | | Watch the video on AQA required practical: Extension of a spring | | Google docs/slides upload to google classroom | https://www.youtube.com/watch?v=jQAt3e6Bz7U |
| | Go to SMHW for your Google Classroom code | Write a method for this practical explaining the reason for each step/ describe the variables and a risk assessment / design a suitable table / sketch a graph showing what trend you would expect. | | Paper: science portfolio: Kerboodle or Textbook Phys. p158-159 | https://www.youtube.com/watch?v=QQCJeAqBumE |
| | | Construct a learning mat summarising the main points of this practical. Email it to a friend to complete.(swap over). | | | https://www.bbc.co.uk/bitesize/guides/z9hk3k7/revision/1 |

Week 11 Week beginning 22/06/2020

| Year Group/ Class | Google Classroom Code | Tasks (brief outline of what students should be doing this week) | Timing task? | Where to complete? Ex.book, paper GC, SMH | Link to where resources will be |
|-------------------|---|---|--------------|---|---|
| Y9 | | Watch the video on AQA required practical: Rate of reaction | | Google docs/slides upload to google classroom | https://www.youtube.com/watch?v=N5p06i9ilmo |
| | Go to SMHW for your Google Classroom code | Write a method for this practical explaining the reason for each step/ describe the variables and a risk assessment / design a suitable table / sketch a graph showing what trend you would expect. | | Paper: science portfolio: Kerboodle or Textbook Chem p128-135 | https://www.youtube.com/watch?v=Gl6LVI7oAIU&t=11s |
| | | Construct a learning mat summarising the main points of this practical. Complete sample exam question | | | https://www.bbc.co.uk/bitesize/guides/zpkp7p3/revision/1 |

Week 12 Week beginning 29/06/20

| Year Group/ Class | Google Classroom Code | Tasks (brief outline of what students should be doing this week) | Timing task? | Where to complete? Ex.book, paper GC, SMH | Link to where resources will be |
|-------------------|---|---|--------------|--|---|
| Y9 | | Watch the video on AQA required practical: Food tests | | Google docs/slides upload to google classroom | https://www.youtube.com/watch?v=zbZxFxXN6m4&t=7s |
| | Go to SMHW for your Google Classroom code | Write a method for this practical explaining the reason for each step/ describe the variables and a risk assessment / design a suitable table / sketch a graph showing what trend you would expect. | | Paper: science portfolio: Kerboodle or Textbook Bio p40-41 | https://www.youtube.com/watch?v=akMLGbNA0gE |
| EXT: | | Construct a learning mat summarising the main points of this practical. Complete sample exam question Describe and explain in detail the full structure of a protein.Types? | | | https://www.bbc.co.uk/bitesize/guides/z89mk2p/revision/1 |

Year 10 (Science) Home Learning Tasks



Week 10 Week beginning 15/06/20

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|-------------------|---|---|--------------|---|---|
| Y10 | | Watch the video on AQA required practical: IV components | | Google docs/slides upload to google classroom | https://www.youtube.com/watch?v=A1SyKvdHoqY |
| | Go to SMHW for your Google Classroom code | Write a method for this practical explaining the reason for each step/ describe the variables and a risk assessment / design a suitable table / sketch a graph showing what trend you would expect. | | Paper: science portfolio: Kerboodle or Textbook Phys p56-57 | https://www.youtube.com/watch?v=ksPzUjMbBk |
| | | Construct a learning mat summarising the main points of this practical. Email it to a friend to complete.(swap over). | | | https://www.bbc.co.uk/bitesize/topics/zcg44qt |

Week 11 Week beginning 22/06/2020

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|-------------------|---|---|--------------|---|---|
| Y10 | | Watch the video on AQA required practical: Electrolysis | | Google docs/slides upload to google classroom | https://www.youtube.com/watch?v=ukbtTTG1Kew&t=8s |
| | Go to SMHW for your Google Classroom code | Write a method for this practical explaining the reason for each step/ describe the variables and a risk assessment / design a suitable table / sketch a graph showing what trend you would expect. | | Paper: science portfolio: Kerboodle or Textbook Chem p102-109 | https://www.youtube.com/watch?v=ukbtTTG1Kew&t=8s |
| Ext: | | Construct a learning mat summarising the main points of this practical. Complete sample exam question How is GLC, (gas/liquid chromatography) used in forensics? | | | https://www.bbc.co.uk/bitesize/guides/z9h9v9q/revision/1 |

Week 12 Week beginning 29/06/20

| Year Group/ Class | Google Classroom Code | Tasks (brief outline of what students should be doing this week) | Timing task? | Where to complete? Ex.book, paper GC, SMH | Link to where resources will be |
|-------------------|---|---|--------------|---|---|
| Y10 | | Watch the video on AQA required practical: Water purification | | Google docs/slides upload to google classroom | https://www.youtube.com/watch?v=DiKcEq2wg8g |
| | Go to SMHW for your Google Classroom code | Write a method for this practical explaining the reason for each step/ describe the variables and a risk assessment / design a suitable table / sketch a graph showing what trend you would expect. | | Paper: science portfolio: Kerboodle or Textbook Chem p208-211 | https://www.youtube.com/watch?v=UGHsbTEBvA |
| | | Construct a learning mat summarising the main points of this practical. Complete sample exam question | | | https://www.bbc.co.uk/bitesize/guides/zg6cfcw/revision/1 |

Year 11 Science Home Learning Tasks



Week 10 Week beginning 15/06/20

| Year Group/ Class | Google Classroom Code | Tasks (brief outline of what students should be doing this week) | Timing task? | Where to complete? Ex.book, paper GC, SMH | Link to where resources will be |
|-------------------|---|---|--------------|---|---|
| Y11 | | Watch the video on AQA required practical: IR radiation | | Google docs/slides upload to google classroom | https://www.youtube.com/watch?v=eE7OPL7pesA |
| | Go to SMHW for your Google Classroom code | Write a method for this practical explaining the reason for each step/ describe the variables and a risk assessment / design a suitable table / sketch a graph showing what trend you would expect. | | Paper: science portfolio: Kerboodle or Textbook Phys p192-193 | https://www.youtube.com/watch?v=LFwio38EK9s |
| | | Construct a learning mat summarising the main points of this practical. Email it to a friend to complete.(swap over). | | | https://www.bbc.co.uk/bitesize/guides/ztpm7p3/revision/1 |

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| Year Group/ Class | Google Classroom Code | Tasks (brief outline of what students should be doing this week) | Timing task? | Where to complete? Ex.book, paper GC, SMH | Link to where resources will be |
|-------------------|---|---|--------------|---|---|
| Y11 | | Watch the video on AQA required practical: Electrolysis | | Google docs/slides upload to google classroom | https://www.youtube.com/watch?v=ukbtTTG1Kew&t=8s |
| | Go to SMHW for your Google Classroom code | Write a method for this practical explaining the reason for each step/ describe the variables and a risk assessment / design a suitable table / sketch a graph showing what trend you would expect. | | Paper: science portfolio: Kerboodle or Textbook Chem p102-109 | https://www.youtube.com/watch?v=ukbtTTG1Kew&t=8s |
| Ext: | | Construct a learning mat summarising the main points of this practical. Complete sample exam question How is GLC, (gas/liquid chromatography) used in forensics? | | | https://www.bbc.co.uk/bitesize/guides/z9h9v9q/revision/1 |

Week 12 Week beginning 29/06/20

| Year Group/ Class | Google Classroom Code | Tasks (brief outline of what students should be doing this week) | Timing task? | Where to complete? Ex.book, paper GC, SMH | Link to where resources will be |
|-------------------|---|---|--------------|--|---|
| Y11 | | Watch the video on AQA required practical: Ecology | | Google docs/slides upload to google classroom | https://www.youtube.com/watch?v=yLHz2Ea10Mg |
| | Go to SMHW for your Google Classroom code | Write a method for this practical explaining the reason for each step/ describe the variables and a risk assessment / design a suitable table / sketch a graph showing what trend you would expect. | | Paper: science portfolio: Kerboodle or Textbook Bio p262-263 | https://www.youtube.com/watch?v=RhMOCxXcDrQ |
| | | Construct a learning mat summarising the main points of the practical. Complete sample exam question. | | | https://www.bbc.co.uk/bitesize/topics/zxxh39 |



Please note: We do not know if colleges will ask you to sit entrance exams, therefore please continue with the work. You may also choose to re-sit the GCSE so will need to complete this work

Year 11 Triple Science Home Learning Tasks

Week 10 Week beginning 15/06/20

| Year Group/ Class | Google Classroom Code | Tasks (brief outline of what students should be doing this week) | Timing task? | Where to complete? Ex.book, paper GC, SMH | Link to where resources will be |
|-------------------|-----------------------|--|--|---|---|
| Year 11 Triple | zuva63n | 1) Choose 3 Biology required practicals you cannot remember completing! 2) Use MyGCSE, Freesciencelessons on Youtube or your own resources to create a mind map or revision resource for 3 required practicals. Make sure you include: 1) A method for the practical explaining the reason for each step, 2) Description of the variables 3) A risk assessment 4) A suitable results table 4) Sketch of a graph showing what trend you would expect. 3) Complete the 3 relevant required practical exam questions on MyGCSE Science | 1) 10 minutes 2) 3 hours 3) 1 hour | On paper or on google classroom. | Google Classroom https://www.my-gcsescience.com/practicals/required-practicals-biology/ |

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|-------------------|-----------------------|--|--|---|---|
| Year 11 Triple | zuva63n | 1) Choose 3 Chemistry required practicals you cannot remember completing! 2) Use MyGCSE, Freesciencelessons on Youtube or your own resources to create a mind map or revision resource for 3 required practicals. Make sure you include: 1) A method for the practical explaining the reason for each step, 2) Description of the variables 3) A risk assessment 4) A suitable results table 4) Sketch of a graph showing what trend you would expect. 3) Complete the 3 relevant required practical exam questions on MyGCSE Science | 1) 10 minutes 2) 3 hours 3) 1 hour | On paper or on google classroom. | Google Classroom https://www.my-gcsescience.com/practicals/required-practicals-chemistry/ |

Week 12 Week beginning 29/06/20

| Year Group/ Class | Google Classroom Code | Tasks (brief outline of what students should be doing this week) | Timing task? | Where to complete? Ex.book, paper GC, SMH | Link to where resources will be |
|-------------------|-----------------------|---|--|---|---|
| Year 11 Triple | zuva63n | 1) Choose 3 Physics required practicals you cannot remember completing! 2) Use MyGCSE, Freesciencelessons on Youtube or your own resources to create a mind map or revision resource for 3 required practicals Make sure you include: 1) A method for the practical explaining the reason for each step, 2) Description of the variables 3) A risk assessment 4) A suitable results table 4) Sketch of a graph showing what trend you would expect. 3) Complete the 3 relevant required practical exam questions on MyGCSE Science | 1) 10 minutes 2) 3 hours 3) 1 hour | On paper or on google classroom. | Google Classroom https://www.my-gcse-science.com/practicals/required-practicals-physics/ |

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